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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/634,375	08/04/2003	Sung-Don Wee	KP0301US	6927

7590 10/19/2004

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EXAMINER

TRAN, DALENA

ART UNIT PAPER NUMBER

3661

DATE MAILED: 10/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/634,375	WEE, SUNG-DON	
	Examiner	Art Unit	
	Dalena Tran	3661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>8/4/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Notice to Applicant(s)

1. This application has been examined. Claim 1 is pending.
2. The prior art submitted on 8/4/03 has been considered.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 1, is rejected under 35 U.S.C. 103(a) as being unpatentable over Zottnik (4,638,289) in view of Scaman (US 2002/0135679 A1), Greenwood et al. (6,211,777), and Shintani et al. (US 2003/0212567 A1).

As per claim 1, Zottnik discloses a system for reading vehicle accident information using a telematics system, the reading system comprising: a collision sensing unit operating when a collision of a greater intensity than a predetermined level occurs and outputting data according thereto (see column 14, line 38 to column 15, line 27; and column 15, line 62 to column 16, line 52), a speed detecting unit for detecting the speed of the vehicles and outputting data according thereto (see the abstract; and column 12, lines 42-57), and calculating moving traces of the vehicles in a time period after the collision occurs and before the vehicle stop moving by using the speed information, and storing the moving traces of the vehicles in the data storing unit (see column 11, lines 1-39; column 12, lines 42-56; and column 13, line 64 to column 14, line 37). Zottnik does not disclose a video camera, outputting vehicle number. However, Scaman

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discloses a video camera installed at the front or on the side of the vehicle, for photographing circumstances and subject vehicles involved in the collision (see the abstract; [0011]; and [0021]), a telematics control unit for outputting information of the vehicle involved in the collision, which includes vehicle number (see [0014]), and storing the vehicle information in a data storing unit (see [0015] through [0018]; and [0023]). Zottnik also does not disclose outputting vehicle model and color, and calculating moving traces of the vehicles by using satellite communication information. However, Greenwood et al. disclose a telematics control unit for outputting information of the vehicle involved in the collision, which includes vehicle information such as vehicle identification number, and license plate number (column 1, lines 35-59; and column 3, line 40 to column 4, line 5); it is obvious that vehicle information can includes vehicle model and color; and Greenwood et al. also disclose calculating moving traces of the vehicles by using satellite communication information (see column 2, lines 36-62). Zottnik also does not disclose steering wheel information, an electronic map, and a GPS data receiving / transmitting unit. However, Shintani et al. disclose steering wheel information detecting unit for detecting steering wheel information of the vehicles, and calculating moving traces of the vehicles by using the steering wheel information (see [0075]), and electronic map display unit for displaying current location of the vehicles (see [0074], and [0092]), and a GPS data receiving / transmitting unit for transmitting the circumstances information of the vehicles, which is outputted by the telematics control unit when the collision occurs, to a service center and an insurance company (see [0077], [0112], [0113], [0130] through [0133], and [0152] through [0153]). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Zottnik by combining a video camera, outputting

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vehicle number; also combining vehicle model and color, and calculating moving traces of the vehicles by using satellite communication information for correctly reporting exactly what vehicle involved in the collisions. Also, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Zottnik by combining steering wheel information, an electronic map, and a GPS data receiving / transmitting unit for monitoring vehicle route of traveling when the collision occurs therefore, accurately measure certain physical phenomenon would be very useful in determining the facts surrounding the collision.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

. Tanner (5,450,329)

. Adkins et al. (5,742,699)

. Hall (6,223,125)


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalena Tran whose telephone number is 703-308-8223. The examiner can normally be reached on M-F (7:30 AM-5:30 PM), off every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on 703-305-8233. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner
Dalena Tran

A handwritten signature in black ink, appearing to read "Dalena Tran", with a stylized flourish at the end.

October 14, 2004